



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

U/R

SAT  
19/08/13

6F9540V00131

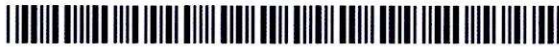
Job Sheet 198830



Part No: 6F9540V00131

Job Qty: 1 pcs

Part Name: AW169 Upper Cutter Deflector Assembly



Part Weight: 0 lbs

Status: New

Job Created: 8/6/19

Job Tracking No:

Due Date: 12/20/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: URF18-746 DWG REV C IPP REV:A 13.11.13 NEW ISSUE DD VERF:JLM

Ship Via:

**POSITIVE RECALL**

EFFECTIVE 19/08/13 AUTH SAD

RELEASED 55 DATE MAR 27 2020

9-89 Priority: Medium

Concession Required

### Bill of Materials

### Job Routing

| Op No | Operation              | Qty   | Start Date | Due Date | Standard Setup Hrs | Run Hrs | Workcenter/Supplier | Sign-off    |
|-------|------------------------|-------|------------|----------|--------------------|---------|---------------------|-------------|
| 110   | Packaging 1 - Pick Kit | 1 pcs | 12/20/19   |          | 0.00               | 0.00    | Packaging 1 - 1     | <u>72</u>   |
|       |                        |       |            |          |                    |         | Packaging 1 - 2     | <u>9-89</u> |
|       |                        |       |            |          |                    |         | Packaging 1 - 3     |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 4     |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 5     |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 6     |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 7     |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 8     |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 9     |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 10    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 11    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 12    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 13    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 14    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 15    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 16    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 17    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 18    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 19    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 20    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 21    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 22    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 23    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 24    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 25    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 26    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 27    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 28    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 29    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 30    |             |
|       |                        |       |            |          |                    |         | Packaging 1 - 31    |             |

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL: 1 613 632-5200  
Email: sales@dartero.com  
www.dartaerospace.com



Container No: S261048

Part: 6F9540V00131

Job No: 198830

Serial No/Batch: S261048

Revision:

Inspector:

Exp Date:

Instructions:

Date: 03/06/20

Plex 8/6/19 3:10 PM Dart.lajeunesse.marie

Concession

|     |                                |       |          |           |                        |                   |
|-----|--------------------------------|-------|----------|-----------|------------------------|-------------------|
|     |                                |       |          |           | Packaging 1 - 32       |                   |
|     |                                |       |          |           | Packaging 1 - 33       |                   |
|     |                                |       |          |           | Packaging 1 - 34       |                   |
|     |                                |       |          |           | Packaging 1 - 35       |                   |
|     |                                |       |          |           | Packaging 1 - 36       | DAS<br>72<br>9-89 |
| 111 | Packaging 1-1 - Pick Kit - B4B | 1 pcs | 12/20/19 | 0.00 0.00 | Packaging 1 - 1 - B4B  |                   |
|     |                                |       |          |           | Packaging 1 - 2 - B4B  |                   |
|     |                                |       |          |           | Packaging 1 - 3 - B4B  |                   |
|     |                                |       |          |           | Packaging 1 - 4 - B4B  |                   |
|     |                                |       |          |           | Packaging 1 - 5 - B4B  |                   |
|     |                                |       |          |           | Packaging 1 - 6 - B4B  |                   |
|     |                                |       |          |           | Packaging 1 - 7 - B4B  |                   |
|     |                                |       |          |           | Packaging 1 - 8 - B4B  |                   |
|     |                                |       |          |           | Packaging 1 - 9 - B4B  |                   |
|     |                                |       |          |           | Packaging 1 - 10 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 11 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 12 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 13 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 14 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 15 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 16 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 17 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 18 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 19 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 20 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 21 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 22 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 23 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 24 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 25 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 26 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 27 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 28 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 29 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 30 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 31 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 32 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 33 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 34 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 35 - B4B |                   |
|     |                                |       |          |           | Packaging 1 - 36 - B4B |                   |
| 120 | QC 4                           | 1 pcs | 12/20/19 | 0.00 0.00 | QC 4 - 28              |                   |
|     |                                |       |          |           | QC 4 - 58              |                   |
|     |                                |       |          |           | QC 4 - 69              | DAS<br>69<br>9-89 |
|     |                                |       |          |           | QC 4 - 9               |                   |
|     |                                |       |          |           | QC 4 - 46              |                   |
|     |                                |       |          |           | QC 4 - 68              |                   |
|     |                                |       |          |           | QC 4 - 72              |                   |
|     |                                |       |          |           | QC 4 - 74              |                   |
|     |                                |       |          |           | QC 4 - 75              |                   |
| 130 | Packaging 3-1 - Stock - B4B    | 1 pcs | 12/20/19 | 0.00 0.00 | Packaging 3 - 1 - B4B  | 68-6<br>69<br>DAS |
|     |                                |       |          |           | Packaging 3 - 2 - B4B  |                   |
|     |                                |       |          |           | Packaging 3 - 3 - B4B  |                   |
|     |                                |       |          |           | Packaging 3 - 4 - B4B  |                   |
|     |                                |       |          |           | Packaging 3 - 5 - B4B  |                   |
|     |                                |       |          |           | Packaging 3 - 6 - B4B  |                   |
|     |                                |       |          |           | Packaging 3 - 7 - B4B  |                   |
|     |                                |       |          |           | Packaging 3 - 8 - B4B  |                   |
|     |                                |       |          |           | Packaging 3 - 9 - B4B  |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |
|     |                                |       |          |           |                        |                   |



|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 10 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------|----------------------------|------------------------|-----------------|-------------|----------------|----------|-----------|-----------|----------------------------|------------------------------|--------------|----------------------------|----------|
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 11 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 12 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 13 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 14 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 15 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 16 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 17 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 18 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 19 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 20 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 21 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 22 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 23 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 24 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 25 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 26 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 27 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 28 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 29 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 30 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 31 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 32 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 33 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 34 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 35 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            | Packaging 3 - 36 - B4B |                 |             |                |          |           |           |                            |                              |              |                            |          |
| 135                                                                                                                                                                                                                                                                                                                                                                                                            | DC - 1 - B4B                 | 1 pcs        | 12/20/19                   | 0.00 0.00              | DC - 1 - B4B    |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            |                        | DC - 2 - B4B    |             |                |          |           |           |                            |                              |              |                            |          |
| 140                                                                                                                                                                                                                                                                                                                                                                                                            | QC 21 - FG                   | 1 pcs        | 12/20/19                   | 0.00 0.00              | QC 21 - FG - 21 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            |                        | QC 21 - FG - 70 |             |                |          |           |           |                            |                              |              |                            |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                |                              |              |                            |                        | QC 21 - SA - 53 |             |                |          |           |           |                            |                              |              |                            |          |
| <p>Part Op 110 - (Pick Kit)</p> <p>Descriptions: 120 - (QC4- 100% Inspect kits for completeness)</p> <p>130 - (Identify as per dwg &amp; Stock Location: _____) Identify and pack for shipping as per PPP 6F9540V00131</p> <p>135 - (Document Control) Photocopy bluefile per PPP D169-841-013 chg002 and create labels per 6F9540V00131 CHG002</p> <p>140 - (QC21- Final Inspection - Work Order Release)</p> |                              |              |                            |                        |                 |             |                |          |           |           |                            |                              |              |                            |          |
| <p align="center"><b>Job BOM</b></p> <table border="1"> <thead> <tr> <th>Part / Item</th><th>Component Name</th><th>Quantity</th><th>Operation</th><th>Container</th></tr> </thead> <tbody> <tr> <td>D169-841-013</td><td>AW169 Upper Cutter Deflector</td><td>1 pcs (1 ea)</td><td>110-Packaging 1 - Pick Kit</td><td>325 8646</td></tr> </tbody> </table>                                                    |                              |              |                            |                        |                 | Part / Item | Component Name | Quantity | Operation | Container | D169-841-013               | AW169 Upper Cutter Deflector | 1 pcs (1 ea) | 110-Packaging 1 - Pick Kit | 325 8646 |
| Part / Item                                                                                                                                                                                                                                                                                                                                                                                                    | Component Name               | Quantity     | Operation                  | Container              |                 |             |                |          |           |           |                            |                              |              |                            |          |
| D169-841-013                                                                                                                                                                                                                                                                                                                                                                                                   | AW169 Upper Cutter Deflector | 1 pcs (1 ea) | 110-Packaging 1 - Pick Kit | 325 8646               |                 |             |                |          |           |           |                            |                              |              |                            |          |
| <p align="center"><b>Job Allocations</b></p> <table border="1"> <thead> <tr> <th>Operation</th><th>Component Part</th><th>Required</th><th>Inventory</th><th>Allocated</th></tr> </thead> <tbody> <tr> <td>110-Packaging 1 - Pick Kit</td><td>D169-841-013</td><td>1</td><td>1</td><td>0</td></tr> </tbody> </table>                                                                                           |                              |              |                            |                        |                 | Operation   | Component Part | Required | Inventory | Allocated | 110-Packaging 1 - Pick Kit | D169-841-013                 | 1            | 1                          | 0        |
| Operation                                                                                                                                                                                                                                                                                                                                                                                                      | Component Part               | Required     | Inventory                  | Allocated              |                 |             |                |          |           |           |                            |                              |              |                            |          |
| 110-Packaging 1 - Pick Kit                                                                                                                                                                                                                                                                                                                                                                                     | D169-841-013                 | 1            | 1                          | 0                      |                 |             |                |          |           |           |                            |                              |              |                            |          |
| <p align="center"><b>Part Specifications</b></p> <p align="center">Specifications could not be found.</p>                                                                                                                                                                                                                                                                                                      |                              |              |                            |                        |                 |             |                |          |           |           |                            |                              |              |                            |          |

Plex 8/6/19 3:10 PM Dart.lajeunesse.marie

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                      |  |                        |  |
| Date : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sequence #: _____                                                                                                                 | QTY Affected : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | MRB (QSI042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | QC / QA Coordinator    |  |
| <b>Root Cause</b><br><br><div style="display: flex;"> <div style="flex: 1;">           Operator <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Presservation <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Human Factors <input type="checkbox"/> </div> <div style="flex: 1;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex;"> <div style="flex: 1;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="flex: 1;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="flex: 1;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                        |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------|--|
| Job: <u>198830</u><br><br>Part No. <u>GF9540V00131</u>                                                                                                                                                                                                                                                                                                                                  | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>             Skid-tube <input type="checkbox"/><br/>             Machining <input type="checkbox"/><br/>             Large Fab <input type="checkbox"/> </div> <div>             Cross tube <input type="checkbox"/><br/>             Small Fab <input type="checkbox"/><br/>             Finishing <input type="checkbox"/> </div> <div>             Eng. (Non-AW) <input type="checkbox"/><br/>             Prod. Eng. Coord. <input type="checkbox"/><br/>             Rec/Store/Packaging <input type="checkbox"/> </div> <div>             Engineering <input type="checkbox"/><br/>             Water Jet <input type="checkbox"/><br/>             Supplier <input type="checkbox"/><br/>             Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                  | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | MRB (QS1042)<br><b>DAS 51</b><br>9-89 <i>19/08/13</i>                  |  |
| <b>Description Work Order Deviation</b>                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   | <b>Disposition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | Completed By<br><b>DAS 55</b><br>9-89 <i>MAR 27 2020</i>               |  |
| Concession required before shipping<br>for the following Parts<br><br>D4824-1<br>D4823-1<br>D4857-1<br>D4944-1<br>D4824-1                                                                                                                                                                                                                                                               |                                                                                                                                   | Acceptable to ship with approved<br>Concession                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Lead hand / Supervisor<br><br><b>DAS 55</b><br>9-89 <i>MAR 27 2020</i> |  |
| QC / QA Coordinator<br><b>DAS 55</b><br>9-89 <i>MAR 27 2020</i>                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                                                        |  |
| <b>Root Cause</b><br><br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                                                                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   | Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                        |  |



|                                                                                                                                                                                                                                    |                                        |                              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                                      |                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------|------------------------------------|
|                                                                                                                                                    |                                        | <b>Concessione Fornitore</b> |                                   |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  | <b>PAGINA</b><br>1 di 2              | <b>STAB. EMITTENTE</b><br>Vergiate |
| <b>NC Fornitore N.</b>                                                                                                                                                                                                             | AWC-039                                | <b>Data</b>                  | 20.03.2020                        | <b>Concessione</b>                                                                                                                                                                                                                                                                                                                                                                                 | 400000090350                                                                     | <b>Ordine</b>                        | 4801939434                         |
| <b>P/N</b>                                                                                                                                                                                                                         | 6F9540V00131                           |                              |                                   | <b>Grado/Categoria</b>                                                                                                                                                                                                                                                                                                                                                                             | NC                                                                               | <b>Rev. disegno</b>                  |                                    |
| <b>Descrizione Parte</b>                                                                                                                                                                                                           | PROTECTR, CCP ASSY UPPER               |                              |                                   | <b>Quantità Lotto</b>                                                                                                                                                                                                                                                                                                                                                                              | 4,000                                                                            | <b>Q.tà sotto conc.</b>              | 4,000                              |
| <b>Coordinatore NC</b>                                                                                                                                                                                                             | GIORGIO BENZONI                        |                              |                                   | <b>A/C Model</b>                                                                                                                                                                                                                                                                                                                                                                                   | AW6                                                                              |                                      |                                    |
| <b>Fornitore</b>                                                                                                                                                                                                                   | DART AEROSPACE LTD                     |                              |                                   | <b>Contratto</b>                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                  |                                      |                                    |
| <b>Difetto MA01 - Materiale diverso dal richiesto -</b><br>* 20.03.2020 09:26:16 GIORGIO BENZONI (39851)<br>* See supplier concession AWC-039 attached<br><b>Causa del Difetto</b>                                                 |                                        |                              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                                      |                                    |
|                                                                                                                                                                                                                                    |                                        |                              |                                   | <b>Ripetitività (stesso P/N-Cod.Difetto)</b> NO <input type="checkbox"/> SI <input checked="" type="checkbox"/> (11)                                                                                                                                                                                                                                                                               |                                                                                  |                                      |                                    |
| <b>Valutazioni e proposte dell'ENGINEERING</b>                                                                                                                                                                                     |                                        |                              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                                      |                                    |
| <b>Valutazioni dell'Engineering compresi input dell'Esperto:</b>                                                                                                                                                                   |                                        |                              |                                   | <b>Rapp. Indagine n.</b>                                                                                                                                                                                                                                                                                                                                                                           |                                                                                  | <b>Rapp. Rispondenza n.</b>          |                                    |
| * 23.03.2020 18:02:50 GENNARO MARGIOTTA (5907)<br>* Considering the assessment and assumptions made by the supplier engineering the deviation is accepted.<br>* Mark the part with concession number in order to keep trace of the |                                        |                              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                                      |                                    |
|                                                                                                                                                                                                                                    |                                        |                              |                                   | Segue in 2° pag.<br><b>Classificazione Deviazione dal Type Design secondo EASA part 21A.91:</b> Minore/B                                                                                                                                                                                                                                                                                           |                                                                                  |                                      |                                    |
| <b>Effetti del difetto</b>                                                                                                                                                                                                         |                                        |                              |                                   | <b>Limitazioni</b>                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                  |                                      |                                    |
|                                                                                                                                                                                                                                    | <b>Prima eventuale riparazione</b>     |                              | <b>Dopo eventuale riparazione</b> |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                                      |                                    |
| Sicurezza                                                                                                                                                                                                                          | <input type="checkbox"/> Si            | <input type="checkbox"/> No  | <input type="checkbox"/> Si       | <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                        | <input type="checkbox"/> Si (specificare) <input checked="" type="checkbox"/> NO |                                      |                                    |
| Vita o durata                                                                                                                                                                                                                      | <input type="checkbox"/> Si            | <input type="checkbox"/> No  | <input type="checkbox"/> Si       | <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                      |                                    |
| Resistenza                                                                                                                                                                                                                         | <input type="checkbox"/> Si            | <input type="checkbox"/> No  | <input type="checkbox"/> Si       | <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                      |                                    |
| Prestazioni                                                                                                                                                                                                                        | <input type="checkbox"/> Si            | <input type="checkbox"/> No  | <input type="checkbox"/> Si       | <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                      |                                    |
| Intercambiabilità                                                                                                                                                                                                                  | <input type="checkbox"/> Si            | <input type="checkbox"/> No  | <input type="checkbox"/> Si       | <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                      |                                    |
| Affidabilità                                                                                                                                                                                                                       | <input type="checkbox"/> Si            | <input type="checkbox"/> No  | <input type="checkbox"/> Si       | <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                      |                                    |
| Manutenibilità                                                                                                                                                                                                                     | <input type="checkbox"/> Si            | <input type="checkbox"/> No  | <input type="checkbox"/> Si       | <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                      |                                    |
| Installabilità                                                                                                                                                                                                                     | <input type="checkbox"/> Si            | <input type="checkbox"/> No  | <input type="checkbox"/> Si       | <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                      |                                    |
| Testabilità                                                                                                                                                                                                                        | <input type="checkbox"/> Si            | <input type="checkbox"/> No  | <input type="checkbox"/> Si       | <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                      |                                    |
| Solo aspetto                                                                                                                                                                                                                       | <input type="checkbox"/> Si            | <input type="checkbox"/> No  | <input type="checkbox"/> Si       | <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                      |                                    |
| Nessun effetto                                                                                                                                                                                                                     | <input checked="" type="checkbox"/> Si |                              | <input type="checkbox"/> Si       | <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                        |                                                                                  |                                      |                                    |
| <b>Proposte di recupero:</b>                                                                                                                                                                                                       |                                        |                              |                                   | <b>Decisione di Impiego</b><br><input type="checkbox"/> Usare riparato con riparazione specifica<br><input type="checkbox"/> Usare riparato con riparazione nota<br><input checked="" type="checkbox"/> Usare com'è<br><input type="checkbox"/> Usare riparato per prove (vedi Limitaz.)<br><input type="checkbox"/> Usare com'è per prove (vedi Limitazioni)<br><input type="checkbox"/> Scartare |                                                                                  |                                      |                                    |
| <b>Classificazione Concessione</b> <input type="checkbox"/> MAGGIORE <input checked="" type="checkbox"/> MINORE                                                                                                                    |                                        |                              |                                   | <b>Ripresentare dopo riparazione</b> <input type="checkbox"/> Si <input checked="" type="checkbox"/> No                                                                                                                                                                                                                                                                                            |                                                                                  |                                      |                                    |
| <b>Marcatura</b> <input type="checkbox"/> NO <input checked="" type="checkbox"/> SI <b>Metodo:</b> Indelible ink pen                                                                                                               |                                        |                              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                                      |                                    |
| <b>ATE</b>                                                                                                                                                                                                                         | GENNARO MARGIOTTA                      |                              | <b>CPE</b>                        |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  | <b>Data</b>                          | 23.03.2020                         |
| <b>Verifiche e prove da effettuare</b>                                                                                                                                                                                             |                                        |                              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                                      |                                    |
| <b>Registraz. della riparazione</b> Con Ordine (WO) di riparazione <input type="checkbox"/> <b>Numero:</b>                                                                                                                         |                                        |                              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                                      |                                    |
| <b>Valutazione Riparazione:</b>                                                                                                                                                                                                    |                                        |                              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                                      |                                    |
| <b>Decisioni finali</b>                                                                                                                                                                                                            |                                        |                              |                                   |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                                      |                                    |
| <b>S/N</b>                                                                                                                                                                                                                         | <b>Usare com'è (UTI)</b>               | <b>Usare riparato (RIL)</b>  | <b>Scartare (SCA)</b>             | <b>S/N</b>                                                                                                                                                                                                                                                                                                                                                                                         | <b>Usare com'è (UTI)</b>                                                         | <b>Usare riparato (RIL)</b>          | <b>Scartare (SCA)</b>              |
| S253884                                                                                                                                                                                                                            | <input checked="" type="checkbox"/>    | <input type="checkbox"/>     | <input type="checkbox"/>          |                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>                                                         | <input type="checkbox"/>             | <input type="checkbox"/>           |
| S260095                                                                                                                                                                                                                            | <input checked="" type="checkbox"/>    | <input type="checkbox"/>     | <input type="checkbox"/>          |                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>                                                         | <input type="checkbox"/>             | <input type="checkbox"/>           |
| S260925                                                                                                                                                                                                                            | <input checked="" type="checkbox"/>    | <input type="checkbox"/>     | <input type="checkbox"/>          |                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>                                                         | <input type="checkbox"/>             | <input type="checkbox"/>           |
| S261048                                                                                                                                                                                                                            | <input checked="" type="checkbox"/>    | <input type="checkbox"/>     | <input type="checkbox"/>          |                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>                                                         | <input type="checkbox"/>             | <input type="checkbox"/>           |
|                                                                                                                                                                                                                                    | <input type="checkbox"/>               | <input type="checkbox"/>     | <input type="checkbox"/>          |                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>                                                         | <input type="checkbox"/>             | <input type="checkbox"/>           |
|                                                                                                                                                                                                                                    | <input type="checkbox"/>               | <input type="checkbox"/>     | <input type="checkbox"/>          |                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>                                                         | <input type="checkbox"/>             | <input type="checkbox"/>           |
|                                                                                                                                                                                                                                    | <input type="checkbox"/>               | <input type="checkbox"/>     | <input type="checkbox"/>          |                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>                                                         | <input type="checkbox"/>             | <input type="checkbox"/>           |
|                                                                                                                                                                                                                                    | <input type="checkbox"/>               | <input type="checkbox"/>     | <input type="checkbox"/>          |                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>                                                         | <input type="checkbox"/>             | <input type="checkbox"/>           |
|                                                                                                                                                                                                                                    | <input type="checkbox"/>               | <input type="checkbox"/>     | <input type="checkbox"/>          |                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/>                                                         | <input type="checkbox"/>             | <input type="checkbox"/>           |
| <b>Non Serializzati</b>                                                                                                                                                                                                            | <b>Q.tà Usare com'è</b>                | 4,000                        | <b>Q.tà Usare riparato</b>        |                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Q.tà Scartare</b>                                                             |                                      |                                    |
| <b>Funzione</b>                                                                                                                                                                                                                    | <b>ATE AW</b>                          | <b>CPE AW</b>                | <b>Verifica della Riparazione</b> | <b>Qualità</b>                                                                                                                                                                                                                                                                                                                                                                                     | <b>Cliente</b>                                                                   | <b>MOD/Rappresent. Istituzionale</b> |                                    |
| <b>Firma</b>                                                                                                                                                                                                                       | GENNARO MARGIOTTA                      |                              |                                   | GIORGIO BENZONI                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                  |                                      |                                    |
| <b>Data</b>                                                                                                                                                                                                                        | 23.03.2020                             |                              |                                   | 26.03.2020                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                  |                                      |                                    |

|                        |         |             |            |                    |              |               |            |
|------------------------|---------|-------------|------------|--------------------|--------------|---------------|------------|
| <b>NC Fornitore N.</b> | AWC-039 | <b>Data</b> | 20.03.2020 | <b>Concessione</b> | 400000090350 | <b>Ordine</b> | 4801939434 |
|------------------------|---------|-------------|------------|--------------------|--------------|---------------|------------|

**CAUSE DEL DIFETTO**

- \* C8C5 Metodo e Processi

**VALUTAZIONI DELL'ENGINEERING**

deviation.

- \* The deviation must be mentioned by Dart during the process of the validation for change design.

|            |                      |          |
|------------|----------------------|----------|
| Concession | QRS-107_F01 Issue 02 | Page 1/3 |
|            | June 2018            |          |

|                       |                               |                |                                          |                       |              |                |            |
|-----------------------|-------------------------------|----------------|------------------------------------------|-----------------------|--------------|----------------|------------|
| Supplier NC Number    | AWC-039                       | Date           | March 16,2020                            | LH NC Number          | 400000090350 | Purchase Order | 4801939434 |
| LH PN                 | 6F9540V00131                  | S/N / Batch N. | S261048<br>S253884<br>S260925<br>S260095 | Grade/<br>Criticality | NC           | LH DWG issue   | B          |
| P/N Description       | Protector, CCP Assembly Upper |                |                                          | Batch Qty             | 4            | Defective Qty  | 4          |
| Supplier Name         | Dart Aerospace LTD            |                |                                          |                       |              | Model          | AW169      |
| Defect(s) Description |                               |                |                                          |                       |              |                |            |

1. Gasket material for D4857-041 found on the D169-841-013 (LH PN 6F9540V00131) upper cutter deflector kit has been discontinued by the manufacturer.
2. D4857-041 (2x) and D4944-1 (4x), P/N 6F9540V00131, to be supplied without the 4x 5.33mm holes drilled per drawing. The operation of drilling is to be performed by a Leonardo operator as per attached production permit.
3. The material of the D4823-1 upper cutter deflector and D4824-1 upper cutter mount was deviated from the approved data. The parts were manufactured using aluminum plate per AMS-QQ-A-250/12 instead of aluminum bar. The substantiation for the deviation provided in the attached engineering evaluation.
4. The grain direction on the D4823-1 upper cutter deflector and D4824-1 upper cutter mount deflector was deviated from the approved Data. The substantiation for the deviation is provided in the attached engineering evaluation.

|                   |            |                                                                                       |                |
|-------------------|------------|---------------------------------------------------------------------------------------|----------------|
| Department        | Inspector  | Signature                                                                             | Date           |
| Quality Assurance | 55<br>9-89 |  | March 16, 2020 |

|                 |      |    |
|-----------------|------|----|
| Defect(s) Cause | 9-89 | 11 |
|-----------------|------|----|

1. Discontinued 8623K358 / 8623K338 gasket material.
2. Due to issue regarding QJ 200001282441 Dart Aerospace Drawing requirements and requirements specified in Leonardo's 3D model parts are to be supplied to Leonardo without the Ø5.33mm / Ø.210" holes drilled per drawing D4857. Previous parts provided the hole pattern do not match the A/C structure.
3. To facilitate manufacture, Dart would like to modify the material on the approved drawing to manufacture the parts using aluminum plate per AMS-QQ-A-250/12.
4. To minimize material waste, Dart would like to modify the grain direction on the approved drawing.

|                   |                   |                                                                                       |                |
|-------------------|-------------------|---------------------------------------------------------------------------------------|----------------|
| Department        | Inspector         | Signature                                                                             | Date           |
| Quality Assurance | DAS<br>55<br>9-89 |  | March 16, 2020 |



|            |                      |          |
|------------|----------------------|----------|
| Concession | QRS-107_F01 Issue 02 | Page 2/3 |
|            | June 2018            |          |

|                                                                                                                                                                                                                     |                          |                                                                                   |                |                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------|----------------|------------------------------|
| Corrective Action                                                                                                                                                                                                   |                          |                                                                                   |                |                              |
| <p>Dart requests Leonardo Helicopters to accept the modified parts as described in this Concession. Dart is in the process of updating the drawings for approval by Leonardo Helicopters for future production.</p> |                          |                                                                                   |                |                              |
| Department                                                                                                                                                                                                          | Inspector                | Signature                                                                         | Date           | Foreseen implementation date |
| Quality Assurance                                                                                                                                                                                                   | DAS<br><b>55</b><br>9-89 |  | March 16, 2020 |                              |

|            |                      |          |
|------------|----------------------|----------|
| Concession | QRS-107_F01 Issue 02 | Page 3/3 |
|            | June 2018            |          |

### For Suppliers approved as "MANUFACTURER" only

#### Supplier ENGINEERING evaluation and proposal

Investigation Report n: NCR17-6591

Compliance Report n.

1. Part number DSP1135M will replace the existing material. DSP1135M meets ASTM D1056, AMS3195, Mil-R-46089, Mil-R-6130, and Mil Std 670 TE12 Specifications. The material callouts on D5117 drawings have been updated to reflect this. No other change to design or certification data is required. This change is classified by Dart Aerospace as a minor change
2. No design changes. Removing the holes from the D4857-041 Deflectors and having them drilled during installation will prevent mismatched holes during installation.
3. In reference to Structural Substantiation Report DA169-4 page 48, the cable cutter system (CCS) was analysed using 7075-T6 aluminum sheet AMS-QQ-A-250/12. Therefore, manufacture of CCS parts using AMS-QQ-A-250/12 material has no effect on the structural substantiation.
4. Per DA169-4, the minimum margin of safety for the D4823-1 Upper Cutter Deflector and D4824-1 Upper Cutter Mount is 0.15 (page 66, 15 degree cutting strike on mount) which corresponds with a maximum stress of 61.9 ksi.
5. In reference to MMPDS-07 Tables 3.7.9.0 (b2) & (b3), the minimum yield strength of AMS-QQ-A-250/12 plate between 0.250"-2.000" thick in either the L or LT grain direction is 64 ksi (7075-T62 in longitudinal grain direction).

Repeating the margin of safety calculation in DA169-4 for 64 ksi material strength:

$$MS = (\text{Yield Strength} / \text{Maximum Load}) - 1$$

$$= (64 \text{ ksi} / 61.9 \text{ ksi}) - 1$$

$$= 0.03$$

The margin of safety is positive. Therefore, the grain direction can be rotated in the L – LT plane with no effect on the strength substantiation of the D4823

| Defect Effects     |                              |                              |                             | Limitations after repair                                           |
|--------------------|------------------------------|------------------------------|-----------------------------|--------------------------------------------------------------------|
|                    | Before any repair            | After any repair             |                             |                                                                    |
| Safety             | <input type="checkbox"/> yes | <input type="checkbox"/> yes | <input type="checkbox"/> no | <input type="checkbox"/> yes (specify) <input type="checkbox"/> no |
| Life               | <input type="checkbox"/> yes | <input type="checkbox"/> yes | <input type="checkbox"/> no |                                                                    |
| Strength           | <input type="checkbox"/> yes | <input type="checkbox"/> yes | <input type="checkbox"/> no |                                                                    |
| Performance        | <input type="checkbox"/> yes | <input type="checkbox"/> yes | <input type="checkbox"/> no |                                                                    |
| Interchangeability | <input type="checkbox"/> yes | <input type="checkbox"/> yes | <input type="checkbox"/> no |                                                                    |
| Reliability        | <input type="checkbox"/> yes | <input type="checkbox"/> yes | <input type="checkbox"/> no |                                                                    |
| Maintainability    | <input type="checkbox"/> yes | <input type="checkbox"/> yes | <input type="checkbox"/> no |                                                                    |
| Installability     | <input type="checkbox"/> yes | <input type="checkbox"/> yes | <input type="checkbox"/> no |                                                                    |
| Only Aspect        | <input type="checkbox"/> yes | <input type="checkbox"/> yes | <input type="checkbox"/> no |                                                                    |
| Repair Proposal    |                              |                              |                             |                                                                    |